Self–Assessment Questions

Topic– Levels and Types of Biodiversity

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1. Biodiversity can be measured at____ level?

a) genetic

b) Species

c) Ecosystem

d) All of the above

2. Find out the biodiversity in the below figure?

a) genetic

b) Species

c) Ecosystem

d) All of the above

3. Find out the biodiversity in the below figure?

Source: https://commons.wikimedia.org/wiki/File:Animal_diversity_October_2007_with_Trilobite.jpg

a) genetic

b) Species

c) Ecosystem

d) All of the above

4. Find out the biodiversity in the below figure?

Source:https://commons.wikimedia.org/wiki/File:Dog_morphological_variation.png

a) genetic

b) Species

c) Ecosystem

d) All of the above

5. Match the following

a) Different rice varieties	[ ]	i) Ecosystem diversity
b) Cat, rabbit and horse	[ ]	ii) Genetic diversity
c) Forest and ocean	[ ]	iii) Species diversity

Answer: a–ii, b–iii, c–i

6. Species diversity within a local habitat is termed as____?

a) Alpha diversity

b) Beta diversity

c) specific diversity

d) Gamma diversity

7. Total number of species in an area is called 'species richness'. True or False?

Answer: True

8. Comparison of species richness between two habitats of a region is called____?

a) Alpha diversity

b) Beta diversity

c) Ecosystem diversity

d) Gamma diversity

9. A measure of the total diversity for different ecosystems within a large area or region is called_____?

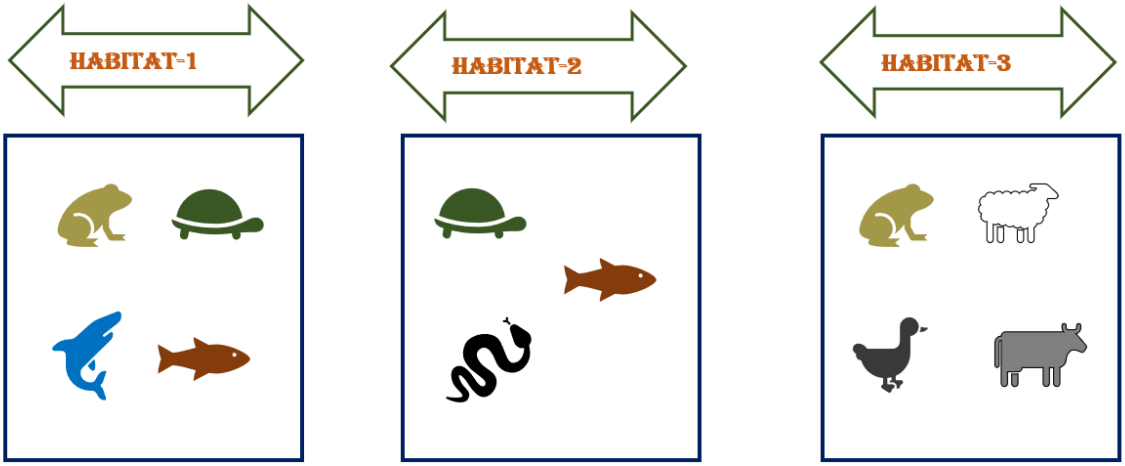
a) Alpha diversity

b) Beta diversity

c) Genetic diversity

d) Gamma diversity

10. Find the alpha diversity (in habitat–3), beta diversity (between 1 vs 2 habitats) and gamma diversity based on given figure?



a) alpha–3, beta–5, gamma–8

b) alpha–4, beta–5, gamma–8

c) alpha–5, beta–5, gamma–8

d) alpha–3, beta–4, gamma–6